

CLEAN VERSION OF REPLACEMENT PARAGRAPHS IN SPECIFICATION:

[0016] FIG. 1 shows a rotor shaft 1 on which a stack of laminations 2 is shrunk or pressed and has on its respective end faces 3, 4 rotor end sheets 5. The rotor end sheets 5 have axial openings 6. These openings 6 correspond to the openings of the stack of laminations 2. These openings 6 serve substantially to provide an axis-parallel supply of cooling air. Diecast rings 7 are positioned at the respective end faces 3, 4 of the rotor end sheets 5 for axial securement of the stack of laminations 2, and are also provided with openings 6' for passage of the stream of cooling air, with the openings 6' of the diecast rings 7 extending in alignment with the openings 6 of the rotor end sheets 5.

[0017] FIGS. 2, 3 show a cross section of half of such a rotor end sheet 5, including the openings 6 for the cooling air stream and slots 8 located at the outer perimeter for accommodation of the rotor windings or bars, not shown in more detail.

CLEAN VERSION OF AMENDED CLAIMS:

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1. (Amended) Electric motor including a stator and a rotor which defines a rotor axis and includes at least a stack of laminations layered by sheets and provided with slots for receiving rotor windings, wherein at an end face of the at least one stack of laminations, there is provided at least one rotor end sheet which is made of high-strength fine-grain structural steel and exhibits, at least in proximity of the rotor axis, a geometric shape of the sheets layered in the stack of laminations.
2. (Amended) Electric motor according to claim 1, wherein the rotor end sheet is provided with slots for receiving the rotor windings, said slots of the rotor end sheet being closed.
3. (Amended) Electric motor according to claim 1, wherein the rotor end sheet is provided with slots for receiving the rotor windings, at least some of the slots of the rotor end sheet having leakage orifices.
4. (Amended) Electric motor according to claim 2 in the form of a high-speed, heavy-duty asynchronous motor.

VERSION WITH MARKINGS TO SHOW CHANGES MADE:

IN THE SPECIFICATION:

Amend the specification as follows:

[0016] FIG. 1 shows a rotor shaft 1 on which a stack of laminations 2 is shrunk or pressed and has on its respective end faces 3, 4 rotor end sheets 5. The rotor end sheets 5 have axial openings 6. These openings 6 correspond to the openings of the stack of laminations 2. These openings 6 serve substantially to provide an axis-parallel supply of cooling air. Diecast rings 7 are positioned at the respective end faces 3, 4 of the rotor end sheets 5 for axial securement of the stack of laminations 2, and are provided with openings [8] 6' for passage of the stream of cooling air, with the openings 6' of the diecast rings 7 extending in alignment with the openings 6 of the rotor end sheets 5.

[0017] FIGS. 2, 3 show a cross section of half of such a rotor end sheet 5, including the openings 6 for the cooling air stream and [the] slots 8 located at the outer perimeter for accommodation of the rotor windings or bars, not shown in more detail.